

**UNITED STATES PATENT & TRADEMARK OFFICE**

Examiner: Unknown Art Unit: Unknown  
Applicant: KIM, Young Tae, et al.  
Serial No.: 10/551,508  
Filed September 29, 2005  
For: **GENE INVOLVED IN THE BIOSYNTHESIS  
OF CAROTENOID AND MARINE  
MICROORGANISM, PARACOCCUS  
HAEUNDAENSIS, PRODUCING THE  
CAROTENOID**

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 3, 2007

Sir:

In response to the Notification of Defective Response ("Notification") dated April 10, 2007, attached herewith is a substitute Computer Readable Form copy of the Sequence Listing, together with a paper copy of the Sequence Listing. The Notification indicated that the substitute Computer Readable Form copy of the Sequence Listing submitted on June 5, 2006 has been found to be damaged and/or unreadable. No changes have been made to the Sequence Listing, and the required Declaration to that effect is attached.

This response is being filed within the shortened period for response. Thus, no further fees are believed to be required. If, on the other hand, it is determined that any further fees are due or any overpayment has been made, the Assistant Commissioner is hereby authorized to debit or credit such sum to Deposit Account No. 02-2275.

Pursuant to 37 C.F.R. §1.136(a)(3), please treat this and any concurrent or future reply in this application that requires a petition for an extension of time for its timely submission as incorporating a petition for extension of time for the appropriate length of time. The fee associated therewith is to be charged to Deposit Account No. 02-2275. Any deficiency or

overpayment should be charged or credited to Deposit Account No. 02-2275.

Respectfully submitted,

LUCAS & MERCANTI, LLP



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CERTIFICATE OF EFS-WEB TRANSMISSION  
I hereby certify that this document is  
being EFS-Web transmitted to the  
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May 3, 2007

LUCAS & MERCANTI, LLP

BY: \_\_\_\_\_



Carla Santos